

September 29, 2021

Zoning Board of Appeals
Town of Grafton
30 Providence Road
Grafton, MA 01519

T 508-856-0321

F 508-856-0357

gravesengineering.com

**Subject: Elmrock Estates, 21 Wheeler Road
Updated Engineer's Opinion Construction Budget
Erosion Control, Site Stabilization & Interim Stormwater Management**

Dear Board Members:

Per the request of the Applicant, Graves Engineering, Inc. (GEI) calculated an updated engineer's opinion construction budget as required by Condition H.2 of the Elmrock Estates Comprehensive Permit Decision for Grafton ZBA Case #827. Condition H.2 addresses surety associated with construction-phase erosion control, site stabilization and interim stormwater management. GEI believes this estimate can also address Special Condition #14 in Exhibit 'A' of the Grafton Conservation Commission's Order of Conditions, MassDEP File #164-0956. This estimate supersedes our previous Erosion Control, Site Stabilization & Interim Stormwater Management construction budget dated April 6, 2021.

Please find attached the point-by-point items of the construction budget based upon the following:

- GEI has also added a note "[1]" to the "Erosion Control Barriers, Maintain" line item. The note states that the maintenance of the erosion control barriers is covered under GEI's Site Development/Subdivision Construction Budget dated September 29, 2021.
- Site visits were performed by GEI through September 29, 2021 to determine work remaining.
- There has been a 20% administration and contingency added to the budget's subtotal for inspections, contract administration and inflation.

The purpose of our construction budget is to provide the Grafton Zoning Board of Appeals with an "engineer's opinion" of the possible construction value for the work identified herein. This budget is based upon typical municipally-bid public works projects subject to state wage rates. We use state wage rates as the municipality will be required to pay prevailing state wage rates should the municipality ultimately become responsible for contracting construction activities. The rates indicated within this estimate reflect current market conditions.

If you have any questions or comments concerning this estimate, please feel free to contact our office.

Very truly yours,
Graves Engineering, Inc.



Jeffrey M. Walsh, P.E.
Principal

Attachments:
Engineer's Opinion Construction Budget – Erosion Control...

cc: Christopher McGoldrick, Grafton Town Planner
Grafton Conservation Commission
Stephen O'Connell; Eastland Partners
Phil Corraio; Eastland Partners



100 GROVE ST. | WORCESTER, MA 01605

T 508-856-0321

F 508-856-0357

gravesengineering.com

**EROSION CONTROL, SITE STABILIZATION AND INTERIM STORMWATER MANAGEMENT
ENGINEER'S OPINION CONSTRUCTION BUDGET**

PROJECT: ELMROCK ESTATES, WHEELER ROAD

DATE: September 29, 2021

The following construction budget is based upon plans last revised:

12/10/18

This estimate is based upon site visits performed through:

09/29/21

			COST ESTIMATE			
	UNITS	\$/UNIT	QUANTITY	VALUE	Notes	
RIGHT OF WAY						
Erosion Control Barriers, Maintain	Lin. Ft.	\$3.00	0	\$0.00	[1]	
Reestablish Temp. Erosion Control Barriers	Lin. Ft.	\$8.00	0	\$0.00		
Stabilized Construction Entrance	Allow	\$1,500.00	0	\$0.00		
Temporary Settling Basins, Excavation	Cu. Yds.	\$6.00	0	\$0.00		
Rip-Rap (for spillways)	Sq. Yds.	\$30.00	0	\$0.00		
Rehandle and Spread Stockpiled Topsoil	Sq. Yds.	\$3.00	0	\$0.00		
Seeding for Erosion Control	Sq. Yds.	\$1.10	0	\$0.00		
		Subtotal:		\$0.00		
		20% Contingency/Inflation:		\$0.00		
		TOTAL:		\$0.00		
		TOTAL (Rounded):	*	\$0.00		

Notes:

[1] Maintenance of the erosion control barriers is covered under GEI's Site Development/Subdivision Construction Budget dated September 29, 2021.

*** This estimate was prepared to assist the Zoning Board of Appeals with establishing the amount of surety for this project. The surety value established by the Board may vary from this estimate.**